

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF U.S. 29 AND BURNT MILLS AVENUE IN MONTGOMERY COUNTY. LOOP DETECTORS, L.E.D. COUNTDOWN PEDESTRIAN SIGNAL HEADS, AND APS PEDESTRIAN PUSHBUTTONS AND SIGNS WILL BE INSTALLED AT THIS LOCATION. IT IS ASSUMED THAT U.S. 29 RUNS IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR NORTHBOUND AND SOUTHBOUND U.S. 29, AND AN ALTERNATE PEDESTRIAN PHASE FOR CROSSING THE NORTH LEG OF THE INTERSECTION.

CONTROLLER REQUIRMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A POLE MOUNTED CABINET WILL BE USED. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

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CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

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CONTACT PERSONS FOR MONTGOMERY COUNTY ARE AS FOLLOWS:

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MONTGOMERY COUNTY DPW&T
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MR. KEITH LORD
MONTGOMERY COUNTY DPW&T
301-279-1291

NO PHASE CHANGE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA/MONT. CO.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
973023	SHEET ALUMINUM SIGNS	SF	7
	1 EACH R4-7 (24" X 30") GROUND MOUNT		
	2 EACH R10-4(1) (9" X 12") "Columbia Pike" POLE MOUNT		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

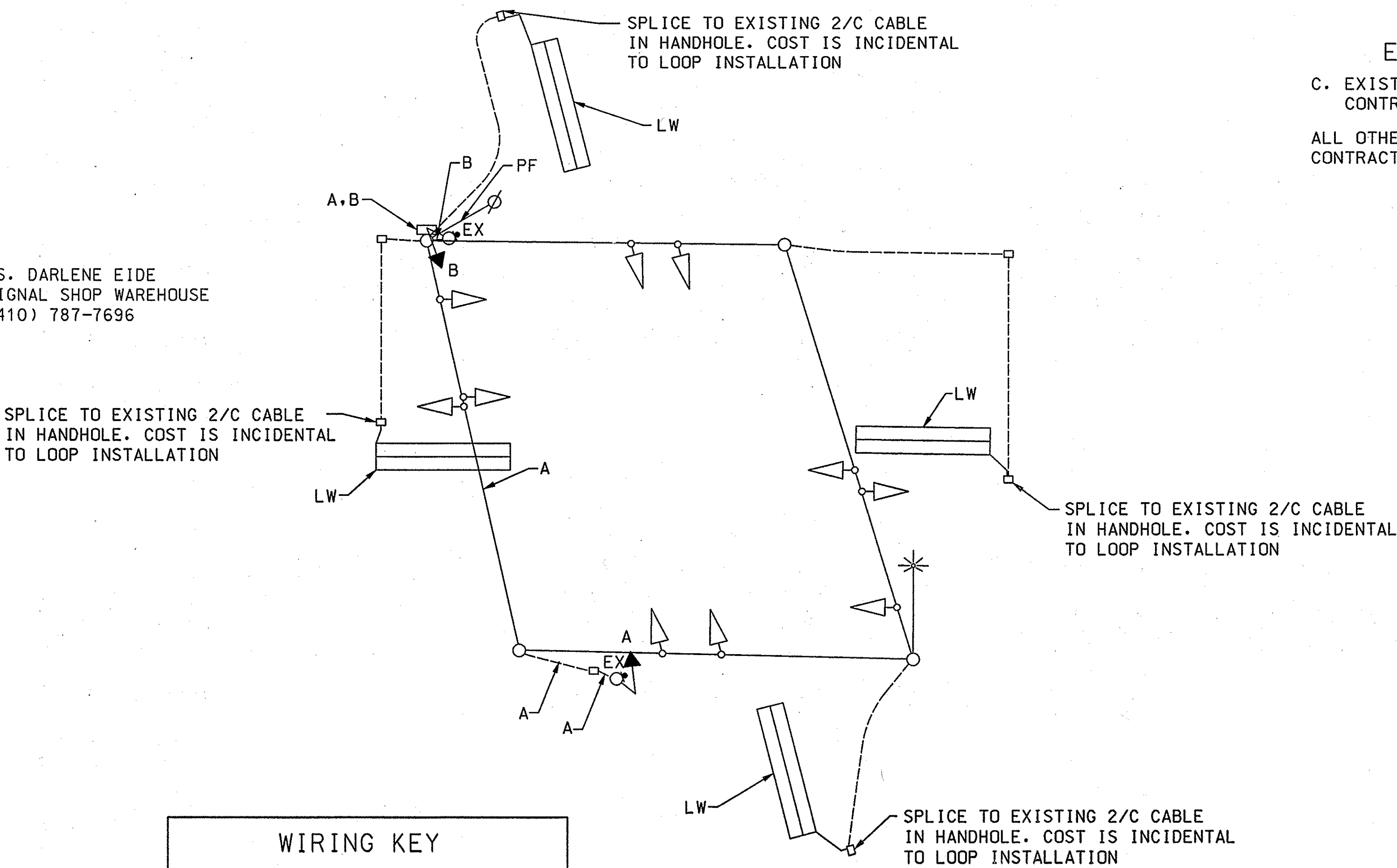
CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
201032	CLASS 2 EXCAVATION	CY	2
648140	MONOLITHIC MEDIAN 4 FEET 0 INCH WIDE TYPE A-1	LF	4
800000	FURNISH & INSTALL APS PUSHBUTTON & ASSY.	EA	2
800000	FURNISH & DELIVER APS CENTRAL CONTROL UNIT	EA	1
800000	F&I 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	2
800000	ADJUST AND RE-RING EXISTING SPAN WIRE	EA	3
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
801001	CONCRETE FOR SIGN FOUNDATION	CY	1
801004	WOOD SIGN SUPPORTS 4 INCH X 4 INCH	LF	13
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	20
813014	INSTALL GROUND MOUNTED SIGN	SF	5
813015	INSTALL OVERHEAD SIGN	SF	2
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	215
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)	LF	1600
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	330

EQUIPMENT LIST "C"

C. EXISTING LOOP DETECTOR AMPLIFIERS SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO MONTGOMERY COUNTY.

ALL OTHER UNUSED EQUIPMENT AND MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



WIRING KEY

A.B	ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
LW	LOOP WIRE (NO. 14 A.W.G.)
EX	USE EXISTING CABLE
PF	EXISTING POWER FEED



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 29 (COLUMBIA PIKE) AND
BURNT MILLS AVENUE

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	11/2005	CONTRACT NO.	M03755177
DESIGNED BY	TC /MRB	COUNTY	MONTGOMERY	LOGMILE	15002904.09
DRAWN BY	TC /MRB	TIMS NO.	H053	TOD NO.	
CHECKED BY	DAE	FAP NO.			
TS NO.	413D-61	DRAWING	-	OF	
SHEET NO.	10	OF	10		

ADDENDUM NO.1
NEW SHEET



RUMMEL, KLEPPER
& KAHL, LLP

CONSULTING ENGINEERS

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